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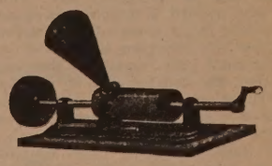
THE NEWSPAPER FOR
THE HOBBYIST OF VINTAGE
ELECTRONICS AND SOUND

THE HORN SPEAKER

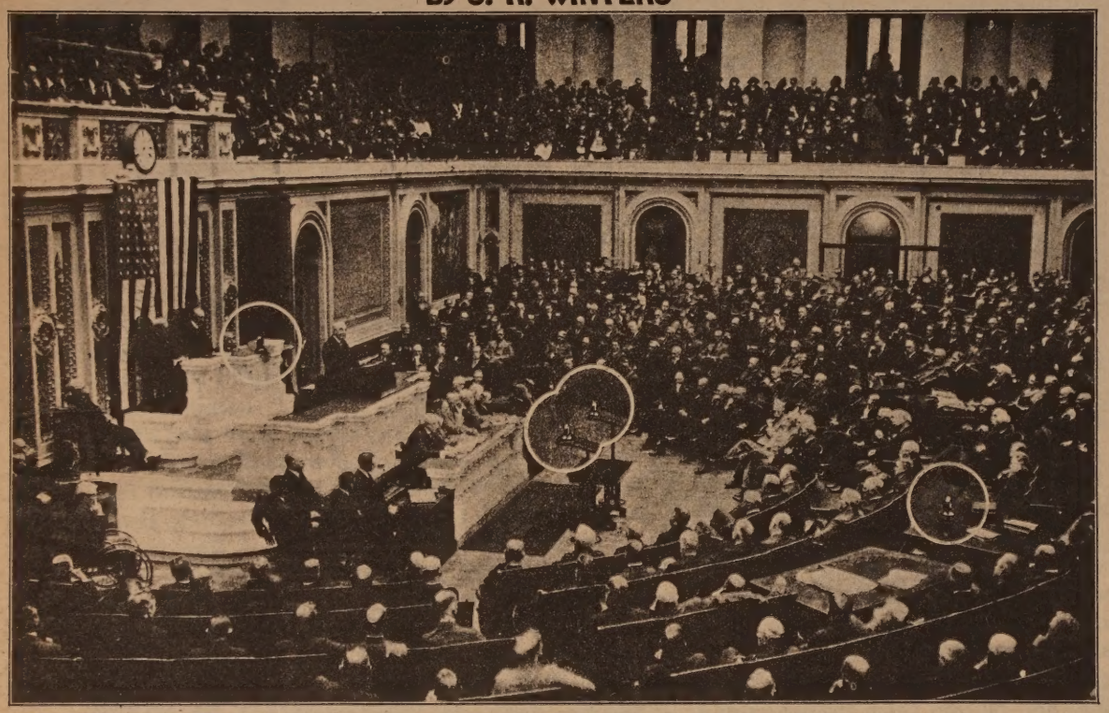


PHONOGRAPH CENTENNIAL
1877 - 1977

Radio News for February, 1923

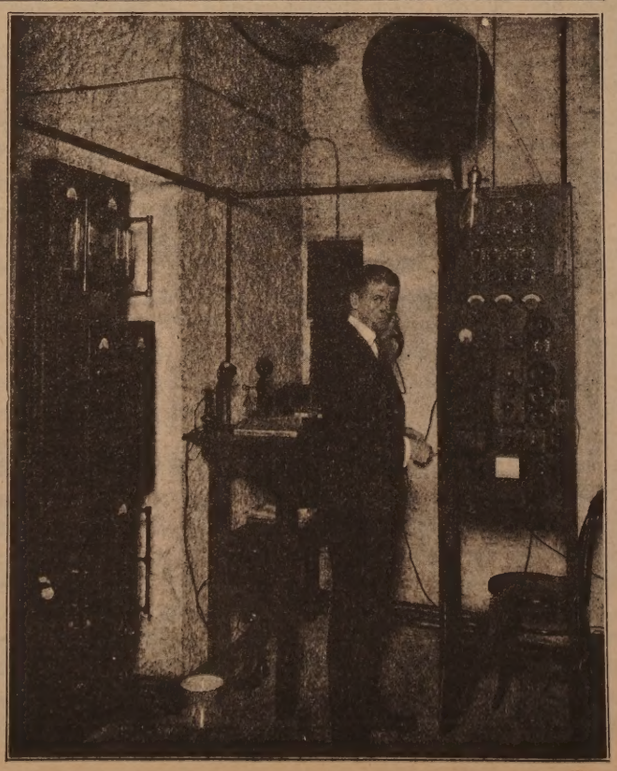
First Broadcasting Presidential Message

By S. R. WINTERS



WHEN President Warren G. Harding delivered his message to a joint assembly of the House of Representatives and Senate, on December 8, for the first time in the history of the sessions of the American Congress the utterances of a President of these United States were heard by an invisible audience by means of the radio telephone. His pungent remarks, "There are conditions relating to its (Eighteenth Constitutional Amendment) enforcement which savor of a nation-wide scandal" and "Agricultural ill fortune is a national ill fortune," were heard with a distinctness within a radius of approximately 200 miles of the National Capital as did the members of the Cabinet who occupied front seats in the House of Representatives. The radical departure of broacasting the deliverance of a President is epochal, and radio telephony demonstrated certain advantages over Morse telegraphy and Bell telephony as a means of communication. The vastness of the area covered within the twinkling of an eye is a peculiar virtue of this vehicle of intelligence.

The voice of President Harding on the state of the Union, as he specifically addressed the Fourth Session of the Sixty-Seventh Congress, was probably heard by the largest audience in the history of the world. The seating capacity of the House of Representatives was occupied to the point of overflowing, thus constituting his visible hearers. The invisible audience, it would be hazardous to attempt to name its numbers, was comprised of the thousands of owners of radio-telephone receiving outfits who were apprised of the deliverance of the message and those who had the inclination to "listen in." A microphone mounted on a pedestal, located about four feet from the rostrum on which President Harding stood, received the voice vibrations. From this cup-like device, the sound waves were conveyed by a telephone wire to the Naval Air Station, at Anacostia, D. C., approximately four miles away. Here, the United States Navy Department maintains a powerful radio-telephone transmitting outfit, the one in service at Schenectady, N. Y., under the direction of the General Electric Company, alone exceeding its range as a radio-telephone sending station.



In the Picture Above, Showing President Harding Delivering His Message to Congress, May Be Seen Several Microphones, Outlined with White Circles, Which Were Installed at Various Places to Pick Up the Voice. On the Right is Shown the Amplifying Device Installed in the Cellar of the Capitol by the Western Electric Co. In Front of the Operator is a Speech Amplifier Composed of Four Tubes. The Speech, After Being Amplified by This Apparatus, Passes Into the Second Power Amplifier on the Left Side Panel Upon Which May Be Seen the Four 50-Watt Tubes on Top and at the Bottom, the Last Two Power Tubes of 250 Watts Each. From This Installation, the Voice is Carried Through Wires to the Loudspeakers Installed at Various Places and Also to the Navy Broadcasting Station, NOF.

The message of the Chief Executive of the Nation, having been relayed to Anacostia along a telephone line built by the Chesapeake and Potomac Telephone Company, was broadcast on 427 meters. The daylight effective range of the radio-telephone transmitter at the Anacostia Naval Air Station is approximately 200 miles, compared to a radius of 750 to 1,000 miles at night. The utterances of the President borne on the medium of electro-magnetic waves, transmitted from Anacostia, were received by newspapers and other radio-telephone stations in the east, west, south, and north and re-broadcasted to another invisible audience. The Pittsburgh Post, Chicago News, Indianapolis News, St. Louis Post-Dispatch, Kansas City Star, and Denver Post covered the Western half of the country as with a blanket. Northward, wireless stations in Philadelphia, Newark, and the American Telegraph and Telephone Company in New York disseminated the words of President Harding. In the south, the Louisville Courier-Journal and Times, and other newspapers maintaining wireless receiving and sending apparatus, "picked up" the message on 427 meters from the Naval Air Station and re-broadcast it to thousands of radio-telephone receiving sets in resonance with the transmitters.

The dignified Secretary of State, Charles E. Hughes, who occupied a front seat in the House of Representatives, was in common with the rural dweller in the isolated farmstead or the boy in the "red schoolhouse" on the hill, in hearing the voice of the Chief Executive of the Nation if the latter perchanced to own a wireless receiving outfit. Fortunately, Mrs. Harding was not denied the privilege of hearing the voice of her distinguished husband on this occasion, since a radio-telephone receiving apparatus was available in the White House, where she has been convalescing from a serious illness for several months. Until her illness the "First Lady of the Land" had accompanied President Harding to the Capitol on every occasion that he addressed a joint sitting of Congress. Unable to attend this time, the "wonderful wireless waves," in part at least, counteracted the disappointment of forced detention in the White House.

The mechanism for relaying the voice of the President to Anacostia was installed by the Western Electric Company, and the local telephone company projected a telephone wire from the Capitol to this point. To the microphone was attached three telephone circuits, with direct connections to the Anacostia Naval Air Station. Only one of these electric circuits was employed in conveying the message of the President. The second circuit was used as a so-called "order wire," thus affording means for telephone engineers to conduct conversations while ob-

serving the action of the voice ot the President as it was relayed for a distance of about four miles. This observance contemplated the maintenance of an evenness of tone as the voice was impinged on the microphone, and then conveyed by wire to Anacostia. The third electric circuit in the series was an emergency unit, which would have avoided a complete disruption of the service in the event of a breakdown of the other two telephone lines. The system, for the most part, duplicated that in operation when the addresses of the speakers at the dedication exercises of the Lincoln Memorial were relayed to Anacostia and Arlington, from which points they were broadcasted by radio telephone. Also a similar service was maintained at the ceremonies incident to the burial of the "Unknown Soldier" in Arlington Cemetery.

The radio-telephone installation made in the House of Representatives for the dissemination of the message of President Harding is of a permanent character. This fact, however, does not give assurance that the proceedings of Congress will be broadcasted by radio telephony or wireless telegraphy. The "doings of Congress" may eventually be radiated throughout the United States, but such action is not a certainty at this time. Such a service contemplates the use of a high-power radio-telephone transmitting station, the operation of which, of course, involves the expenditure of money. The wireless telephone and telegraph transmitting stations of the United States Navy Department are dedicated to other services, the dispatch of naval business and the broadcasting of serviceable communications from allied Government departments. On this occasion permit to use the radio-telephone transmitter at the Anacostia Naval Air Station was granted by Commander S. C. Hooper, head of the Radio Division, Bureau of Engineering, United States Navy Department. Somebody, however, ventures the prediction that Congress will eventually authorize an appropriation and construct its own high-power transmitting station, whereby the proceedings of the House of Representatives and Senate may be instantly and widely disseminated. This prophecy, sponsored by a radio engineer of a Government department, is partially based on the anticipated favorable reaction of the precedent established in "blanketing" the deliverance of Warren G. Harding over the continent by means of the radio telephone.

The first step was taken by Mr. Campbell of Kansas, who submitted the following resolution:

H. RES. 465.

67TH CONGRESS, 4TH SESSION

IN THE HOUSE OF REPRESENTATIVES.

December 11, 1922.

Mr. Campbell of Kansas submitted the following resolution; which was referred to the Committee on Rules and ordered to be printed.

RESOLUTION.

Resolved, That the Speaker is hereby authorized and directed to appoint a select committee of five Members of the House who shall make full inquiry into the matter of the permanent installation in the House wing of the Capitol Building and in the Hall of the House of Representatives of the apparatus or device, now experimentally in operation therein, designated as a "Public address or voice amplifying system." Such committee may sit during the sessions of the House and shall report to the House at the earliest practicable date its recommendations as to the desirability and advisability of such system for use in the House of Representatives, together with detailed information covering the cost of installation, operation, and maintenance. The Architect of the Capitol Building and the Clerk of the House of Representatives shall assist said committee in the discharge of its duties hereunder.

1923 ad

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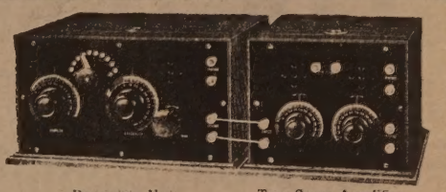

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WE want to make an public apology to all HORN SPEAKER readers who have wrote or ordered from us the past six months. We average over 300 orders/letters a MONTH, even with a S. A. S. E. we have been very slow in answering each one, this is due to internal problems, plus the volume of mail!!! Many FIRST TIME collectors got impatient with us and had to write to this Publication to find out who we are. We have corrected this and/or refunded all monies where applicable. We feel we owe you all an explanation. At HRS, I'am just an individual collector like many of you and do this as a hobby sideline. We run a Wholesale Auto-Home Speaker and Electronic accessories business for a living!! Being in this business allows us to make contact with many firms such as surplus, parts house etc., many which have alot of old parts collecting cobwebs and they do not know what to do with such....usually if no buyer can be found...they sell it to the junk yard for salvage!!!! The L. A. Area is very large and we know of vast surplus of equipment waiting that would fill many warehouses, of course much does not pertain to our hobby, but there is so much to go around, if each expert collector would specialize and take part of it, many parts could be made available to everybody. Here today, gone tomorrow!!!!!! I found this out working as the OFFICIAL OLD TIME RADIO REPRESENTATIVE FOR PHILCO, (they route all customers to us) we been doing this the last five years, plus handle orders and inquiries for the general public and have donated our time to educational institutes and radio stations. If we can not help, we route all through OUR DIRECTORY to those who can on an individual basis as well as all our hobby publications such as the Horn Speaker. 95% of the time we can help in any situtation. Many readers think these parts and services can be secured by going down to your local major Electronics Store and buying them the same day....far from the truth. It takes years of knowledge and collecting like any other field. All this is listed in our latest directory, in one form or another. Of the complaints, (all organizations get them) we have received it is very easy to put them in each category: Usually the First-Timer category: Those who order for the first time, want their order in a week (or reply) will not accept our acknowledged card or letter and can not wait for a refund, some wait till they get the order and even after they get the refund check will not send back the merchandise or pay for return postage.... at least make an effort to find out who we are or others you deal with. One Party formed his own opinion and accused us of running off to Mexico with his $15 order. Why all this? We still have a great reputation, but all it takes are a few opions like this. A Canadian Vintage Wireless Assoication quote; "A GOOD NAME LIKE A GOOD FRIEND IS WON BY MANY ACTS AND LOST BY ONE."

We also want to make an appeal to all the REAL EXPERT RADIO COLLECTORS TO LEND A HAND...so many readers of this publication, and all our other hobby papers need your support, help and services according to the volume of mail we receive...to other collectors who just collect on an INDIVIDUAL STATUS QUO and will hardly lend a hand only if they can benefit, change your ways...by being helpful...you collections will multiply beyond belief!!!! There are advantages and disadvantages living in a large city. There are more collectors and supplies to help, yet many do not even know their neighbors, in a small community and rural areas the Radios and parts that are very rare are plentiful, much cheaper, but the SERVICES and individual parts, collectors are NOT. Now bring in the general Public, wanting to get rid of or wants to repair just one set....it evens itself out!!!! Through our directory, we can route most any problem we can not solve ..city to country, general collector to general public, more parts, radios, services exchange hands and I feel the radio collector usually comes out far ahead in all area of our hobby than the general public...we should, we are more knowledged, plus our hobby is advanced. I personally know collectors who have collected only two years and have pass us at HRS many times over each year in all areas of our hobby....Also lend an extra hand and offer an organization you belong to such as the AWA, ARCA, SWVRPS, CVWA, NWVRS, MID-AARC, SCARS, RHSA, NIA, RCA, IHRS your services, the SAME OFFICERS, and people have to do all the work...which we all benefit from. Comparing the National Insulator Association to our Radio Organizations is like night and day....the NIA cost $3.00 per year, in its 8th year and over 800 attended their National 1977 convention in Florida...with charted flights..Are we behind? Why? Write: Brent Dingman HISTORICAL RADIO SERVICES, BOX 15370, LONG BEACH, CALIFORNIA 90815.

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EMERSON

November 5, 1938

SATURDAY
November 5

8:30 CST 7:30 MST

Breakfast Club: KGKO KTSM KTOK

Fiddlers Fancy: KTUL KTRH WACO KRLD KTSA (sw-21.52)

Dot & Mel: KNOW KTAT

KGFF-News
KGGM-Rise & Shine
KGNC-Rhythm & Romance
KOA-Swingtime
KOMA-Church of the Air
WBAP-Dr. A. H. Flickwir
WDAF-Pecks on the Air
WRR-News: Melody Shop

8:45 CST 7:45 MST

Fiddlers Fancy: KMOX KWKH

Ward & Muzzy, piano duo: WDAF KOA (sw-21.5)

KGNC-Classified Ads
KNOW-Saturday Sunday School
KOA-Mantle Lamp
KPRC-Variety Prgm.
KTAT-Be a Good Neighbor: Livestock Reports
KTSA-To You Beautiful Lady: Short Stories: Hollywood Milkman
WBAP-Educational Hour
WLW-Synagogue of the Air

9:00 CST 8:00 MST

Smilin' Ed McConnell, philosophy and songs (Ovenready Biscuits): WLW WSM WDAF

Three Romeos: KGKO WREN WOAI KGNC KTSM KOB (sw-15.21)

Pappy Cheshire's Hillbilly Champions: KTRH KOMA KWKH KTUL WWL KTSA KRLD WACO (sw-21.52)

Saturday Morning Club: WKY (sw-21.5)

Sunsetland: KNOW

KFDM-What's New?
KGGM-Woman's Club
KMOX-Carolyn Pryce
KOA-Home Service
KPRC-Morning Serenade
KTAT-NTAC Prgm.
KTOK-Songs You Forgot
KVOO-Alabama Boys
WRR-Camp Fire Girls

9:15 CST 8:15 MST

Viennese Ensemble: WREN KOB KTSM KGKO WLW (sw-15.21)

Pappy Cheshire's Hillbilly Champions: KMOX

Saturday Morning Club: KPRC WOAI

The Waltz Lives On: KNOW WRR

KFDM-Jungle Jim
KOA-Sky Reporter
KTOK-News Review
WDAF-Address Dr. W. L. Wilson
WSM-News

9:30 CST 8:30 MST

Amanda Snow, songs: WKY KPRC KGNC KOA WDAF WOAI (sw-21.5)

The Child Grows Up, talk: KVOO (sw-15.21)

The Pet Club, Steve Severn: KNOW KTAT KBIX

Four Corners Theater, drama: WWL KOMA KTUL KRLD KWKH WACO KTSA KTRH (sw-21.52)
Title: "Sunny Acres."

KFDM-Ward's Specials
KGKO-Opening Markets: Oil City Revue
KMOX-Magic Kitchen: Jane Porter & Rollickers
KOB-Serenader
KTOK-Studio Players
KTSM-Around Town
WLW-Mail Bag
WREN-Weather: Hawaiian Strings
WRR-Melba Kiddie Club
WSM-Homemakers' Chat

9:45 CST 8:45 MST

Swing Serenade: WREN KVOO KTSM KGKO KOB (sw-15.21)

Florence Hale Forum: KPRC WKY WDAF WOAI

Pauline Alpert, pianist: KGFF KNOW KBIX

KFDM-Dramas of Life
KOA-Wells of Music
KTAT-Northside Varieties
KTOK-Aola Seary
WSM-The Magic Hour

10:00 CST 9:00 MST

Vaughn de Leath, songs: WREN KGKO (sw-15.21)

Cincinnati Conservatory of Music: KOMA KRLD KTSA WWL KTRH (sw-21.52)

No School Today, children's prgm. with Jolly Bill; Fields & Hall: KPRC WOAI WBAP WSM WKY KVOO WDAF (sw-21.5)

Raoul Nadeau, bar. & organ: KNOW KVSO

News: KGNC KTUL KTOK
KFDM-Magic Hour
KGGM-Woman's Club: Music
KOB-Today on KOB: News
KTSM-News: Magazine of Air
KWKH-Know Our Schools
WACO-Kiddie Theater Party
WHO-Public Service
WLW-To be announced

10:15 CST 9:15 MST

Radio City Four: WREN KFDM (sw-15.21)

Men of the Range: KNOW KTAT

Markets: WKY WBAP
KGGM-Woman's Club
KGKO-News: Interlude
KGNC-Music in Sentimental Mood
KOB-Magazine of the Air
KTOK-Four Collegians
KTSM-Around Town
KTUL-Sunday School Lesson
WLW-My Health
WRR-Murray Lambert's Orch.

10:30 CST 9:30 MST

Our Barn: KTSM WREN KTOK KGKO KOB

Eastman School of Music: WOAI WSM KGNC WDAF (sw-21.5)
Music detail on page 9 this week.

Conservatory of Music: KMOX KTUL

Army Band: KCRC KBIX KVSO WACO

KADA-News
KFDM-Front Page Drama
KNOW-Poll Parrott Club
KOA-Jewel Box: Once Upon a Time
KPRC-Day Dreamer Melodies
KTAT-Half & Half
KTRH-Kiddie Show
KVOO-Kiddies Revue
WFAA-Sunday School Lesson
WKY-Aunt Susan
WLW-News: Livestocks: River: Weather & Markets

10:45 CST 9:45 MST

Eastman School of Music: KOA WKY

Army Band: WLW

KPRC-Missing Persons Bureau: Detour Reports: Weather
KFDM-Sweet Swing
KTAT-Frances Kay, organist
KTSA-Dr. I. Q., Jr.
WFAA-Angelus Trio

11:00 CST 10:00 MST

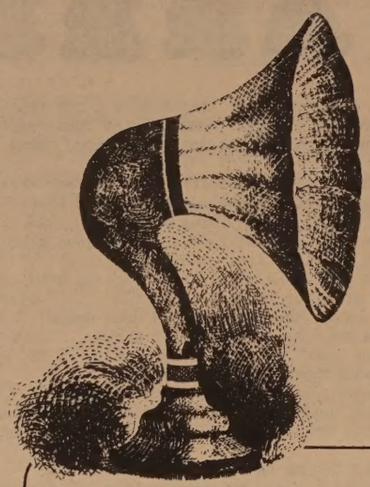
Bailey Axton, tnr.: WDAF KPRC

In the Music Room: KOMA KTUL WWL KWKH KRLD WACO KTSA (sw-21.52)

Vocal Vogues: WOAI WKY WREN WSM KVOO KGKO KOB KGNC KFDM

This Wonderful World: KGFF KVSO KTAT WRR KNOW KADA

KGGM-Woman's Club
KMOX-Let's Compare Notes



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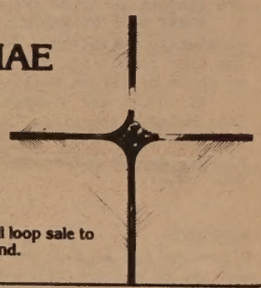

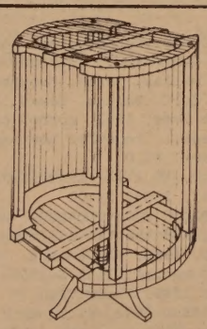

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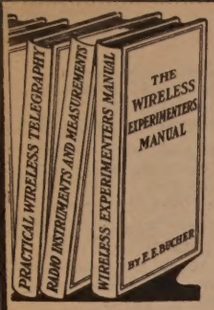

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OCTOBER 1977

HORN SPEAKER

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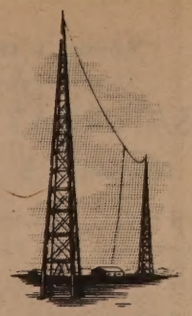

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1930 The covers are excellent on this issue also....$25.00
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1939 Front cover gone, balance in good shape.....$6.00
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22. CQ License Manual, 1959, $2.00

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C8-26 MODERN ELECTRONICS CO, "LAMPS 'LECTRONICS LTD, San Antonio, Texas, 1959, $4.00

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C8-27 MEISSNER, How to build Radio Receivers, including instructions on 28 different models, charts, radio formulae, schematics, pictorial wiring diagrams. There are two of these, very close to the same, but different. No date, but late 30s or early 40s....$6.00 each, or both for $10.00

c8-28 THE GENERAL INDUSTRIES CO, Elyria, Ohio, Operating instructions for the Automatic Record Changers, 1941, $2.00

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C8-39 CHICAGO RADIO APPARATUS CO, CHICAGO, Ill, "CHI-RAD" HANDBOOK CATALOG, illustrations of many receivers and parts, $10.00

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C8-44 TRIAD TRANSFORMER CORP, CATALOG TR-54, $3.00

C8-45 VARIAC continuously variable auto-trnsformer,$2.00

C8-46 SIMPSON INSTRUMENTS catalog, 1951, $2.00

C8-47 U S RADIO & TELEVISION CORP, service manual and parts list for No 27 series screen Grid Receivers, $3.00

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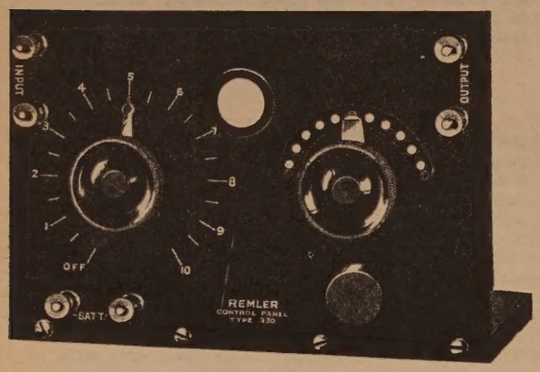
C8-81 NATIONAL SCHOOLS ELECTRONICS TRAINING COURSE, 40 LESSONS, neat little books, excellent condition, all for $20.00

Radio News for March, 1922 855

REMLER

APPARATUS THAT RADIATES QUALITY



Note the exclusive Remler Features

TYPE 330

DETECTOR PANEL

PRICE $8.00

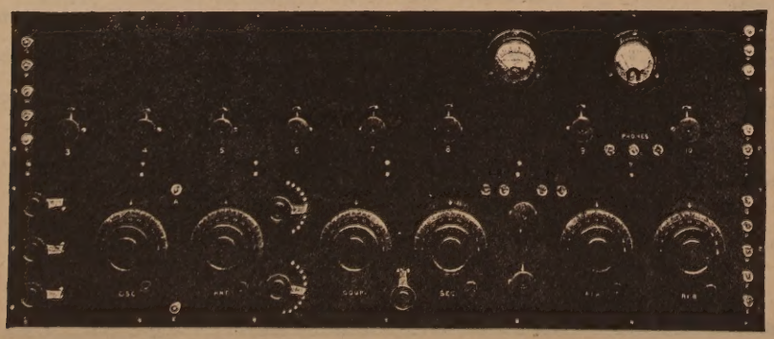
A-Battery Potentiometer Plate Voltage Control

THAT "Remler Apparatus Radiates Quality" and far excels other apparatus is conclusively proved by the following specifications of a Remler Panel when compared with that of any other panel on the market. Panel is genuine molded bakelite, 5 x 7¼ x 3/16 inches, with a highly polished glossy black surface; lettering and scale recessed and filled with white enamel. The filament current is controlled by REMLER No. 810 RHEOSTAT, back mounted, and provided with an open position. REMLER No. 93 POTENTIOMETER connected across the storage battery provides close adjustment of plate potential necessary for sensitive detector action. Flexible leads for the B. Battery connection provided for terminals at back of panel. The rheostat and potentiometer knobs are polished bakelite 1⅜ in. diameter. The GRID LEAK is variable and grid condenser, back mounted, is the correct capacity for the new gas content detector tubes. Maximum filament insured by REMLER No. 92 V. T. SOCKET which is used to support the tube vertically. Induction and ground hums eliminated by its all bakelite construction. A view of filament permitted through an orifice in the panel. Binding posts and all metal parts are finished in polished nickel. The panel is mounted on a hardwood base 7¼ x 3½ inches, finished black, but can readily be mounted in a cabinet. The wiring is the approved bus bar type, and is laid out so that the input and output terminals are at opposite sides.

Send for Bulletin No. 1002 and 1003 on the Remler Bakelite Detector and Amplifier Panels, Types 330, 331 and 333. Two or more of these panels can be mounted in a cabinet to make any desired detector-amplifier combination.

DEALERS:—There is an exclusive and very profitable proposition for you on Remler apparatus. Write for full particulars.
AMATEURS:—Write for 32-page Remler Catalogue.

REMLER RADIO MFG. CO.
248 FIRST ST. SAN FRANCISCO, CAL. E. T. CUNNINGHAM GENERAL MGR. 154 W. LAKE ST. CHICAGO, ILL.



ARMSTRONG SUPER HETRODYNE RECEIVER, 1923
Experimenters Information Service

1977 ad

Old Radio Treasures

There's a rare old radio waiting for you somewhere. Here's how to have year-round fun discovering valuable old sets in your attic, local swap meet or antique barn. You'll enjoy McMahon's fascinating books, truly fine collector's references.

VINTAGE RADIO, 1887-1929: Pictorial story of pioneer days, 1,000 photos, 263 pages. $10.95 hard-cover, $8.95 soft.

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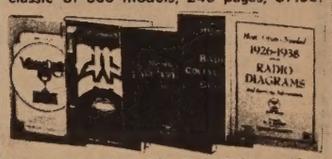
RADIO ENCYCLOPEDIA, Gernsback's 1927 classic beautifully recreated, 175 pages. $14.95 hard-cover, $10.95 soft.

RADIO COLLECTOR'S GUIDE, 1921-32: Data book with 50,000 facts on 9,000 models by 1,100 makers, 264 pages, $6.95.

1926-38 RADIO DIAGRAMS: Beitman's classic of 600 models, 240 pages, $7.00.



Here are the ideal holiday gifts.
ORDER NOW
FOR IMMEDIATE DELIVERY!

CIRCUIT DIAGRAM for any pre-1951 radio: $3.50. Send model number.

SEND TODAY to Vintage Radio, Dep't D, Box 2045, Palos Verdes, Ca. 90274. We pay postage. Calif. residents add 6%.

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FREE! Age Guide with each order. FREE!

Year-round Fun!

REPARE
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SERVICE

ANTIQUE RADIO SERVICE

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CROSLEY RADIO

BETTER — COSTS LESS

CROSLEY RADIO INSTRUMENTS
Each item the utmost in radio at its price. All prices slightly higher west of the Rocky Mountains.

THE "PUP" $9.75
This little double-circuit one-tube set has brought happiness to thousands and made records for long distance receiving.

THE "4-29" $29
A 4-tube receiver of amazing efficiency. Crescendon equipped. Everywhere considered marvelous at its price.

THE "PORTABLE" $33
The 4-29 in portable form, handy, compact, efficient.

THE "5-38" $38
A five-tube tuned radio frequency set, with two stages of non-oscillating radio frequency amplification. Crescendon controlled, two stages of audio frequency amplification.

THE "5-50" $50
5-tube, single drum station selector, acuminators, Crescendon, power tube adaptability, all-metal shielded chassis.

"RFL-75" $65
5-tubes. True cascade amplification; non-oscillating, non-radiating even under any mishandling. Its perfect balancing achieved by Wheatstone bridge in each stage of amplification. Exceptional selectivity and tone.

THE "MUSICONSOLE" $32
Embodies the Musicone in a beautiful console of two-tone mahogany finish and provides room for batteries and accessories. 24½ inches long inside.

"RFL-90" CONSOLE $90
Introducing the double drum station selector! Includes Musicone in exquisite console. Room for batteries and all accessories. 41 inches high, 30½ inches wide.

"MUSICONES" $12, $14.75, $23.50
Regular 12-inch size, $12.50. Super-Musicone, with still finer volume and tone, $14.75. Musicone DeLuxe in mahogany "clockcase," $23.50.

Don't miss the good things This SINGLE DIAL CONTROL *Radio*

enables you to try whatever's on the air in jiffy time. Jump quickly from station to station with one finger. Listen. Like it? Stay. Don't? Try WLW. Less time than it takes to tell. Write station letters on drum dial. Turn to them night after night. What a success this amazing Crosley 5-tube 5-50 has been! Enthusiastic owners write glowing reports of performance and the enjoyment of program after program coming in loud and clear almost imperceptible turns of the dial apart.

Two features: the Crescendon, which builds up volume of distant stations to room-filling proportions, and the "Acuminators," which so sharpen the tuning as to bring in, strong and full toned, far away broadcasting entirely missed and passed by on ordinary one-dial control sets—are *NOT* found in any other radio.

These advanced ideas in radio, including metal shielding and power tube adaptability, all at the extraordinary low price of $50, indicate Powel Crosley, Jr.'s genius in mass production.

This beautiful set in a mahogany cabinet exquisitely finished in two tones is trimmed with rose gold fittings. See it at Crosley dealers. Hear it before you spend *any* sum for radio. Learn that the utmost in radio can be brought into your home at no greater cost than $50 for a receiver.

Use the genuine MUSICONE

Don't buy imitations. The Musicone is made solely by Crosley. The secret of its perfect reproduction is in the Crosley patented unit and *not* the Cone. Its wonderful performance has made it the fastest selling loud speaker and the most imitated. As pictured above the 16-inch Super-Musicone sells for $14.75.

Write Dept. 35, for illustrative literature

The 5-50 single dial control set as featured in this ad built in a two-toned mahogany console as pictured below:

$75

Console stands 40 inches high. The Crosley Musicone is skillfully built into the cabinet in a manner which is both an artistic and an acoustical triumph. Ample space for all batteries and accessories.

$50

5 tube 5-50
WITHOUT ACCESSORIES

PRICES SLIGHTLY HIGHER WEST OF ROCKY MOUNTAINS.

Crosley manufactures radio receiving sets, which are licensed under Armstrong U. S. Patent No. 1,113,149, or under patent applications of Radio Frequency Laboratories, Inc., and other patents issued and pending.

The Crosley Radio Corporation, Cincinnati

POWEL CROSLEY, Jr., Pres.

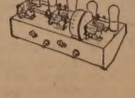
CROSLEY 1927 FEATURES
Many exclusive—others found only in highest priced radios.

THE "CRESCENDON"
When, on ordinary radios, ears must strain to catch a station miles away, a turn of the Crescendon on Crosley radios—instantly swells reception to room-filling volume. An exclusive Crosley feature.

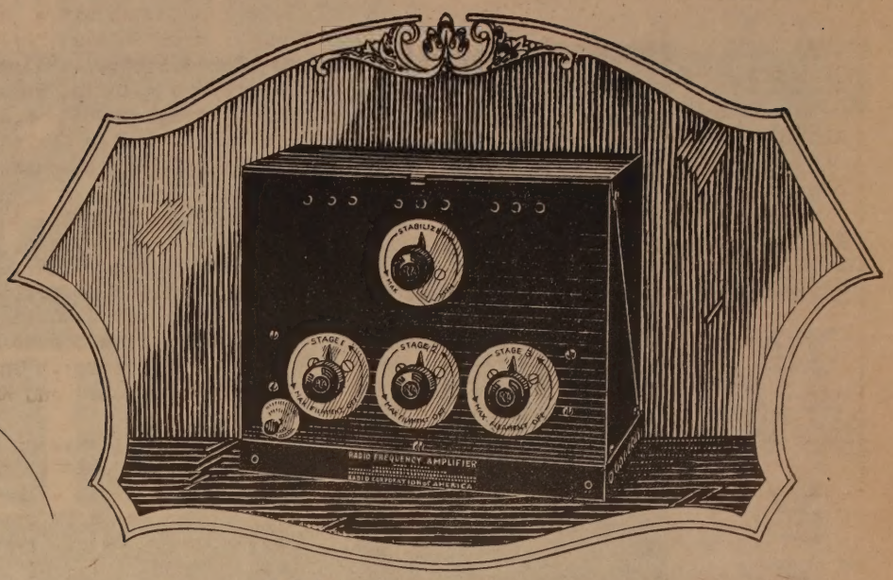
ALL-METAL SHIELDED CHASSIS
This truly great radio achievement, found in several Crosley sets, furnishes a substantial frame for mounting elements, produces excellent alignment of condensers, shields the units from each other, prevents inter-stage, improves the stability of the circuit, increases selectivity and saves costs by standardizing this phase of manufacture.

THE SINGLE-DIAL STATION SELECTOR
Nothing in radio equals the joy or the convenience of single dial control. Crosley single drum control enables you to find the stations sought without log book or "tuning."

"THE ACUMINATORS"
Crosley Acuminators permit tuning in—loud and clear—weak stations passed over and entirely missed by ordinary single dial radios. In tuning high powered and local stations they are not used. They are an exclusive Crosley feature.



POWER TUBES
Power tube adaptability marks the Crosley "5-50" "5-75" and "RFL" sets. This feature typifies Crosley provision for best radio reception at moderate cost.



RCA

Radiola Model AA-1520, a three-stage, radio-frequency amplifier.

1923

EMERSON
Phonograph
Standard Model 20
Mahogany
Golden Oak
Fumed Oak
with Emerson Music Master Horn; Emerson Thrush-Throat Universal Tone Arm; Emerson True Tone Reproducer; Emerson Special Gold-Edge Clamp-Ring Turn Table; Emerson New Style Patented 21st Century Filing System; Emerson Perfect Tone Control; Emerson Flush Motorboard.
Other Emerson Models, with Emerson Music Master Horn,
$80 to $1,000.

Emerson Records and Phonographs

October 16, 1920

The Emerson Phonograph

WITH THE EMERSON MUSIC MASTER HORN

STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION (Act of August 12, 1970: Section 3685, Title 39, United States Code).

1. Title of publication: THE HORN-SPEAKER.
2. Date of filing: Sept. 30, 1977
3. Frequency of issue: Monthly except during July and August.
4. Location of known office of publication(street, city, county, state, zip code): 9820 Silver Meadow Dr., Dallas, Texas 75217.
5. Location of the headquarters or general business offices of the publishers (Not printers): 9820 Silver Meadow Drive, Dallas, Texas 75217.
6. Names and addresses of publishers, editor, and managing editor: Publisher: Jim Cranshaw, 9820 Silver Meadow Drive, Dallas, Texas 75217. Editor: Jim Cranshaw, 9820 Silver Meadow Drive, Dallas, Texas 75217. Managing Editor: Jim Cranshaw, 9820 Silver Meadow Drive, Dallas, Texas 75217.

7. Owner (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding 1 percent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a partnership or other unincorporated firm, its name and address, as well as that of each individual must be given.): Jim Cranshaw 9820 Silver Meadow Drive Dallas, Texas 75217

8. Known bondholders, mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages or other securities (if there are none, so state): None.

9. For optional completion by publishers mailing at the regular rates (Section 132.121, Postal Service Manual). 39 U. S. C. 3626 provides in pertinent part: "No person who would have been entitled to mail matter under former section 4359 of this title shall mail such matter at the rates provided under this subsection unless he files annually with the Postal Service a written request for permission to mail matter at such rates." In accordance with the provisions of this statute, I hereby request permission to mail the publication named in Item 1 at the reduced postage rates presently authorized by 39 U. S. C. 3626.

(Signature and title of editor, publisher, business manager, or owner)

Jim Cranshaw

10. For completion by nonprofit organizations authorized to mail at special rates (Section 132.122, Postal Manual)

(Check one)

The purpose, function, and nonprofit status of this organization and the exempt status of Federal income tax purposes

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I certify that the statements made by me above are correct and complete.

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WANTED: Any radio fan magazines. Also, any radio magazine with commercial broadcast or star information. Examples, "Radio Guide, Radio Stars, Radio-TV Mirror," etc. Also Photoplay magazines. 1 or a 100. Fred L. Davis, 5106 Skippy Street, Memphis, Tennessee 38116.

NEED: Crosley Model 59 chassis and speaker. Uses 2-35's, 1-24, 1-47, 1-80. Will pay reasonable price or trade. Frank Heathcote, 616 Barron Street, Logansport IN 46947.

WANTED: Scott, McMurdo Silver, Lincoln, and other classic receivers. Also pre-1930 battery sets, speakers, mikes. etc. J. E. Cunningham, 23W 675 Ardmore, Roselle IL 60172.

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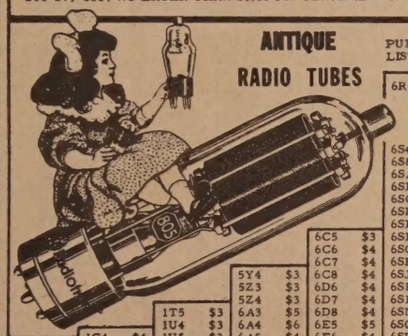

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1A4	$4	1J6	$4	2A6	$4	6AB7	$3	6F8	$4	6T7	$4	12A7	$3	14C5	$3	35Z5	$3	117L7	$5	XXL	$4
1A5	$4	1L6	$8	2A7	$5	6AC5	$3	6G5	$5	6U5	$5	12A8	$4	14C7	$4	35Z6	$4	117M7	$5	XXFM	$4
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1D7	$5	1N5	$4	5R4	$2	6B6	$5	6L6	$3	7A5	$3	12C5	$3	15	$7	48	$4				
1E5	$5	1N6	$4	5T4	$2	6B7	$5	6L7	$4	7A6	$4	12C8	$4	19	$4	49	$4				
1E7	$4	1P5	$4	5U4	$2	6B8	$4	6N5	$5	7A7	$4	12F5	$3	22	$7	50	$7				
1F4	$4	1Q5	$4	5V4	$2	6BA6	$2	6N6	$4	7A8	$4	12H6	$3	24A	$5	50A5	$3				
1F5	$4	1R5	$2	5W4	$2	6BE6	$3	6N7	$4	7AE7	$4	12J5	$3	25A6	$3	50B5	$2				
1F6	$4	1S5	$2	5X4	$3	6BJ6	$2	6P5	$3	7AG7	$4	12J7	$4	25A7	$3	50C5	$2				
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OCTOBER

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THE HORN SPEAKER

1977

Mr. Art B. Corbus
4501 Greenwood Ave. N. #105
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